STEP

Launch
Proposed Mission(s)
Launching: 9/22/2005
Ready by: 9/1/2005
Sponsor: Code U
Last updated: 03/02/2005 at 12:00 AM

STEP Launch Vehicle

Vehicle Class: Delta II
Vehicle Configuration: 7320-10
Launching From: Vandenberg

STEP Orbit Parameters

	Nominal	Min	Max
Launch Date:	9/22/2005	9/1/2005	9/30/2005
Apogee altitude (km/nmi):	550/297.0	450/243.0	650/351.0
Perigee altitude (km/nmi):	550/297.0	450/243.0	650/351.0
Inclination (deg):	97.0	N/A	N/A
Argument of Perigee (deg):	TBD	N/A	N/A
Ascending Node (AN) (deg):	TBD	N/A	N/A
or Mean Local Time of the AN:	N/A	N/A	N/A
Design Orbit Lifetime (years):	1.0		
C3 (km2/s2):	N/A		
Geosynchronous Longitude (deg):	TBD		
Daily launch window duration (min):	TBD		
Launch window open/close (GMT):	TBD		
Yearly/seasonal launch window:	TBD		

STEP Launch Ride-Share Opportunity

Ride-share opportunity available

Application Deadline:	12/1/2000
Need Date for Integration:	5/3/2004
Launch Vehicle:	Delta II/7320-10
Allocated Mass (kg/lb):	700/1543.2
Allocated Volume	
Length (m/in):	N/A
Diameter (m/in):	N/A
Mounting Dimensions:	TBD
Mounting Location:	Dual Paylod Attach Fitting, Upper Payload Volume (a Con
Mechanical Interface:	TBD
Electrical Interface:	TBD
Power Available (W):	TBD
Peak Power Available (W):	TBD
Telemetry Rates Available:	TBD
Separation Sequence:	TBD
Spinning Separation:	TBD
Other Notes:	TBD

STEP Attitude Control

Attitude Stabilization: TBD
Pointing Control(arc seconds): TBD
Pointing Stability(arc seconds): TBD
Slew Rate(deg/sec): TBD
Pointing Knowledge(arc seconds): TBD
Pointing Modes: TBD

STEP Command & Data Handling

Download Rate: TBD
Uplink Rate: TBD
TTC Format: TBD
Data Sample Rate: TBD
Data Storage Capacity: TBD

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STEP Other Mission Notes

Budget Status: Partially Funded
Program Schedule: TBD
Mission Home Page: http://einstein.stanford.edu/STEP/
Other Miscellaneous Notes: STEP requires a circular orbit with an eccentricity of less than 2%. The mission life is 6 months.

STEP Contact Information

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